

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B7/185

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>GB 2 367 209 A (MOTOROLA INC) 27 March 2002 (2002-03-27)</p> <p>abstract page 1, line 16 – line 22 page 4, line 4 – line 30 page 5, line 1 – line 18 page 10, line 16 – line 30 claim 11</p> <p>-----</p> <p>EP 0 321 672 A (MOTOROLA INC) 28 June 1989 (1989-06-28)</p> <p>column 2, line 16 – line 22 column 3, line 43 – line 55 column 7, line 2 – line 12 column 5, line 17 – line 38 claim 1</p> <p>-----</p> <p>-/-</p>	1,2, 8-11,13, 16-25
X		1,2, 8-11,13, 16-25

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document not published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

17 December 2004

Date of mailing of the international search report

12/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/097718 A1 (MCDONALD DANIEL J ET AL) 25 July 2002 (2002-07-25) paragraph '0002! paragraph '0004! paragraph '0024! paragraph '0033! – paragraph '0034! ----- L. WOOD, H. CRUICKSHANK, Z. SUN: "Supporting Group Applications via Satellite Constellations with Multicast" PROCEEDINGS OF THE SIXTH IEE CONFERENCE ON TELECOMMUNICATIONS, ICT98, 29 March 1998 (1998-03-29), – 1 April 1998 (1998-04-01) pages 190-194, XP002311289 EDINBURGH UK the whole document -----	2
A	PATENT ABSTRACTS OF JAPAN vol. 0081, no. 27 (E-250), 14 June 1984 (1984-06-14) & JP 59 037742 A (NIPPON DENKI KK), 1 March 1984 (1984-03-01) abstract -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

/EP2004/051690

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
GB 2367209	A	27-03-2002	NONE		
EP 0321672	A	28-06-1989	US	4821310 A	11-04-1989
			AT	107457 T	15-07-1994
			DE	3850231 D1	21-07-1994
			DE	3850231 T2	22-12-1994
			EP	0321672 A2	28-06-1989
			EP	0583017 A2	16-02-1994
			EP	0583018 A2	16-02-1994
			EP	0773694 A2	14-05-1997
			HK	1000240 A1	06-02-1998
			JP	1195728 A	07-08-1989
US 2002097718	A1	25-07-2002	AU	2697502 A	11-06-2002
			EP	1344360 A1	17-09-2003
			WO	0245363 A1	06-06-2002
JP 59037742	A	01-03-1984	NONE		